

	R	R'
Loline	CH ₃	H
Norloline	H	H
N-Methyloline	CH ₃	CH ₃
N-Formyloline	CH ₃	CHO
N-Formylnorloline	H	CHO
N-Acetyloline	CH ₃	COCH ₃
N-Acetylnorloline	H	COCH ₃

Figure 1

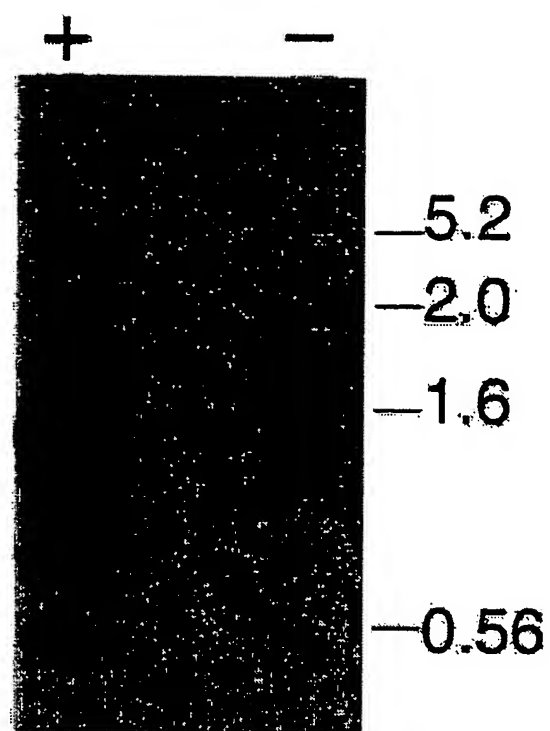


Figure 2

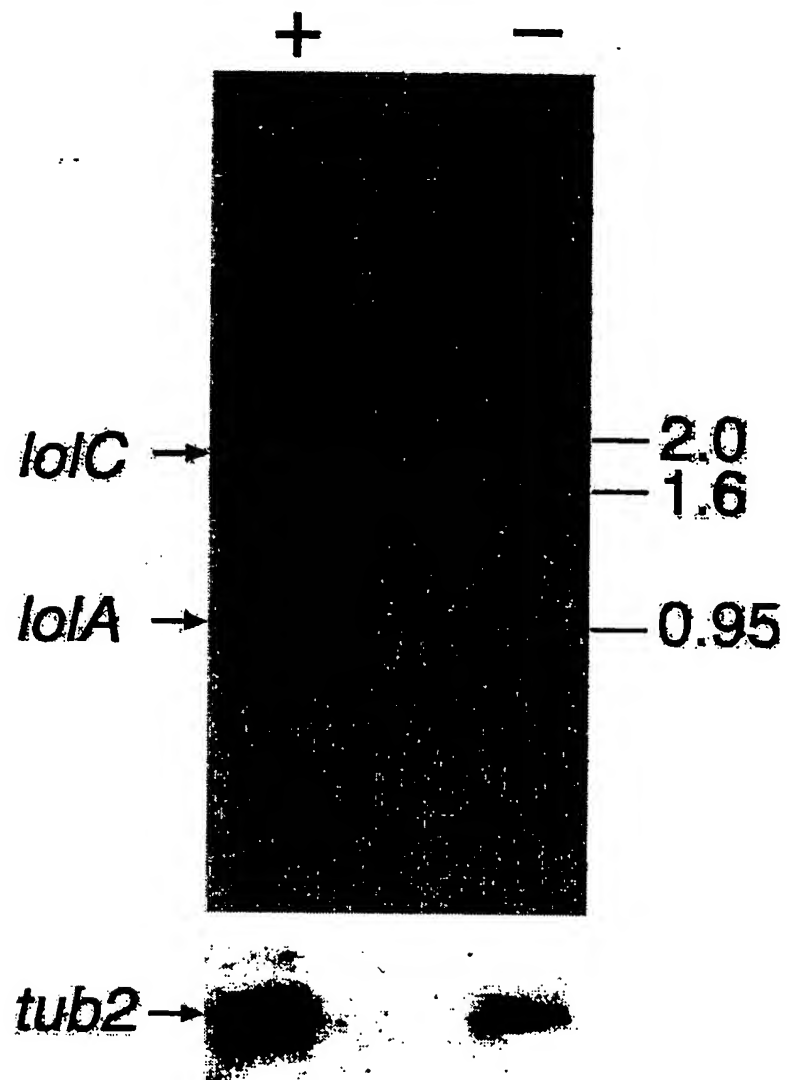


Figure 3

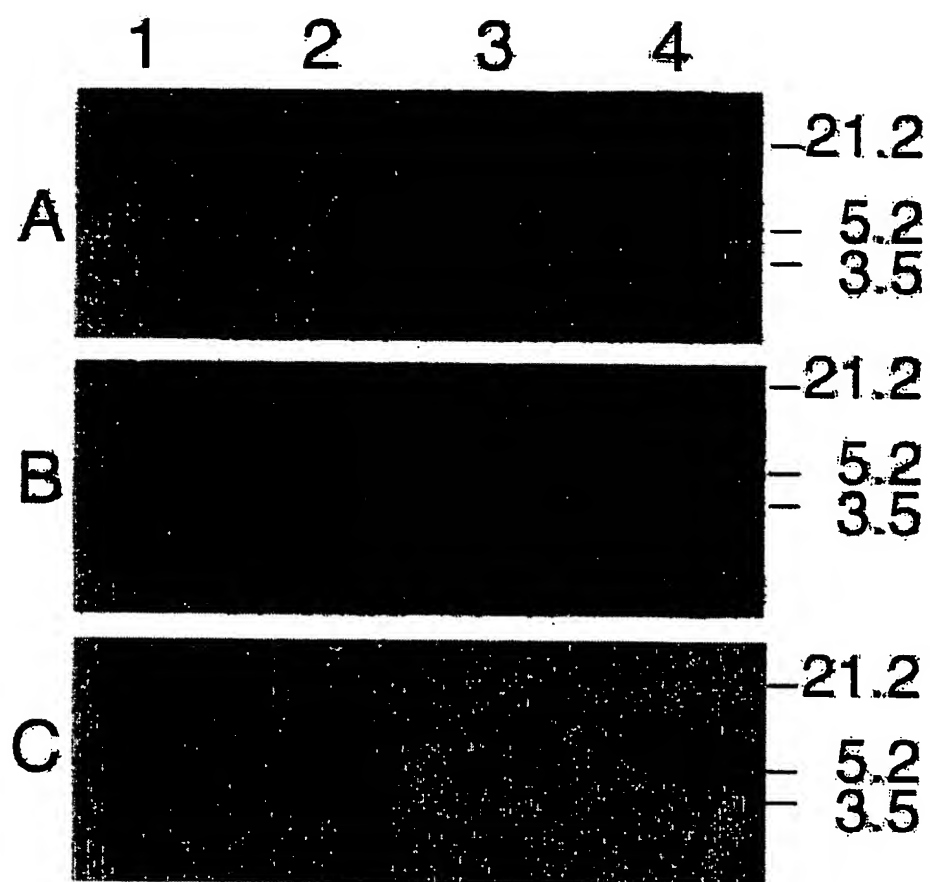


Figure 4

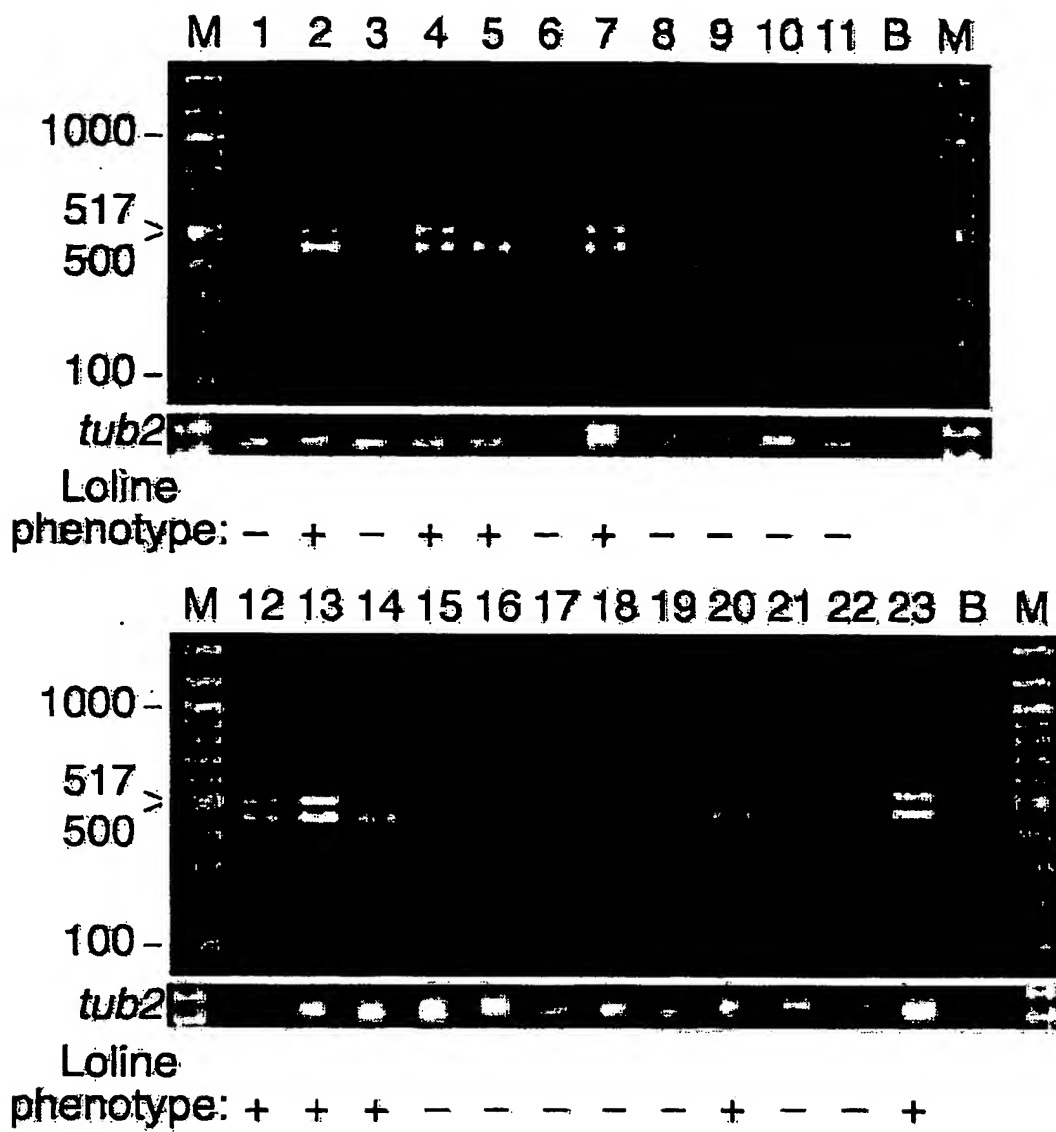


Figure 5

*Fig. XX. Loline alkaloid
biosynthesis genes*

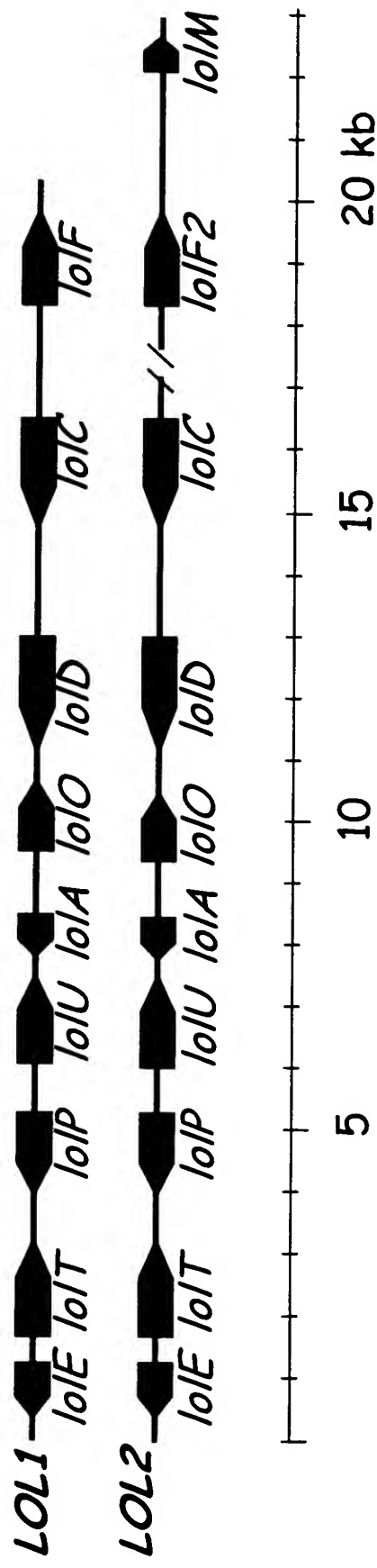


Figure 6